INDEX

Acheson, R. M.: Discussion (see Miller, R. W.)

Adjuvant disease, joint and skin lesions, 177
use of H^3-Thymidine, 195

Adrenocortical changes in disease, 31

Aging and intestinal activity, 105

Alford, C. A., Jr. (see Weller, T. H.)

Anesthetics, inhalation, effects of glucose transport, 319

Antibody formation, 1

Antigen, reactions in knee joint, 300

Arthritis, joint and skin lesions, 177
synovitis and marginal exostoses, 409
use of H^3-Thymidine, 195

Atkins, E. (see Bodel, P. T.)

Atherosclerosis, corneal reactions to injected blood lipids, 211

Bacterial localization in the kidney, 145

Biological systems, information storage and survival at freezing temperatures, 158

Black, F. L.: Discussion (see Habel, K.)

Blackard, W. G. (see Freedman, L. R.)

Blood lipids, corneal reaction to injections, 211
extraction by 2-octanol, 204

Blood, permeability of glucose, 319

Bodel, P. T. and Atkins, E.: Studies in staphylococcal fever. IV. Hypersensitivity to culture filtrates, 130

Book Reviews

Ackroyd, J. F., Ed.: Immunological methods, 331

Andy, O. J. and Stephan, H.: The septum of the cat, 96

Ariëns, E. J., Ed.: Molecular pharmacology. The mode of action of biologically active compounds. Vol. 1, 425

Asimov, I.: A short history of biology, 99

Attinger, E. O., Ed.: Pulsatile blood flow, 423

Augenstein, L., Mason, R., and Rosenberg, B., Eds.: Physical processes in radiation biology. Proceedings of an international symposium, 541

Beeson, P. B. and McDermott, W. Eds.: Cecil-Loeb textbook of medicine, 11th edition, 230

Blair, E.: Clinical hypothermia, 338

Bourne, G. H., Ed.: Cytology and cell physiology, 3rd edition, 428

Brazier, M. A. B., Ed.: Brain function. Proceedings of the 1st conference, 429

Buettner-Janusch, J., Ed.: Evolutionary and genetic biology of primates. Vols. 1 and 2, 164

Burdon, K. L.: Microbiology, 5th edition, 237

Catsch, A. and Kawin, B.: Radioactive metal mobilization in medicine, 165

CIBA Foundation Symposia: Disorders of language, de Reuck, A. V. S. and O'Connor, M. Eds., 172
Animal Behavior and drug action. de Reuck, A. V. S. and Knight, J., Eds., 537
Lysosomes, de Reuck, A. V. S. and Cameron, M. P., Eds., 171

Coates, J. B., Jr., Ed.: Surgery in World War II. Activities of surgical consultants, Vol. 2, 342

Cole, H. H., Ed.: Gonadotropins: Their chemical and biological properties and secretary control. Proceedings of the 6th annual reproduction symposium, 231

Cutting, W. C., Ed.: Annual review of pharmacology, Vol. 4, 169

Darlington, C. D.: Genetics and man, 537

de Beer, Sir G.: Charles Darwin, 224

DeGraeff, J. and Leijnse, B., Eds.: Water and electrolyte metabolism II. West-European symposia on clinical chemistry, Vol. 3, 171

Deichman, W. B. and Gerade, H. W.: Symptomatology and therapy of toxicological emergencies, 430

Emmelot, P. and Mühlblock, O., Eds.: Cellular control mechanisms and cancer, 334

Engel, L. L., Ed.: Physical properties of the steroid hormones, 100

Enslein, K., Ed.: Data acquisition and processing in biology and medicine, Vol. 2, 173

Etkin, W., Ed.: Social behavior and organization among vertebrates, 93

Falk, J. E.: Porphyrins and metalloporphyrins, Vol. 2, 170

Fox, R. M. and Fox, J. W.: Introduction to comparative entomology, 95

Francis, C. C.: Introduction to human anatomy, 4th edition, 239

Geerts, S. J., Ed.: Genetics today. Proceedings of the 11th international congress of genetics, Vol. 1, 238

Glasgow, J. P.: The distribution and abundance of tsetse, 97

Grabar, P. and Burtin, P., Eds.: Immuno-electrophoretic analysis, 343

Gray, P.: Handbook of basic microtechnique, 3rd edition, 236

Haley, L. D.: Diagnostic medical mycology, 232

Hartman, C. G., Ed.: Mechanisms concerned with conception, 93

Hatch, T. S. and Gross, P.: Pulmonary deposition and retention of inhaled aerosols, 168

Henry, R. J.: Clinical chemistry. Principles and technics, 431

Henry, R. S.: The armed forces institute of pathology. Its 1st century 1862-1962, 240

Kay, R. H.: Experimental biology: measurement and analysis, 341

Keys, T. E.: The history of surgical anesthesia, 543

Kiss, F. and Szentagothai, J.: Atlas of human anatomy, Vols. 1, 2, and 3, 17th edition, 336

Kovacs, E.: The biochemistry of poliomyelitis viruses, 338

Kurtz, S. M., Ed. Electron microscopic anatomy, 337

Letavet, A. A. and Kurlyandskaya, E. B., Eds.: The toxicology of radioactive substances, Vol 2, 332

Levine, R. and Luft, R., Eds.: Ad-

vances in metabolic disorders, Vol. I, 427

Litwack, G. and Kritchevsy, D., Eds.: Action of hormones on molecular processes, 425

Mackey, W. A., MacFarlane, J. A., and Christian, M. S., Eds.: Aterial surgery, 166

McGrady, P.: The savage cell. A report on cancer and cancer research, 538

McLaren, A. D. and Shugar, D.: Photochemistry of proteins and nucleic acids, 235

Meier, H.: Experimental pharmacogenetics, 174

Montagna, W. and Lobitz, W. C. Jr., Eds.: The epidermis, 541

Moulder, J. W.: The psittacosis group as bacteria. Ciba lectures in microbial biochemistry, 173

Nahikian, H. M.: A modern algebra for biologists, 233

Oliven, J. F.: Sexual hygiene and pathology, 2nd edition, 540

Pansky, B. and House, E. L.: Review of gross anatomy. A dynamic approach, 170

Potts, W. T. W. and Parry, G.: Osmotic and ionic regulation in animals, 234

Quastler, H.: The emergence of biological organization, 428

Richter, D., Ed.: Comparative neurochemistry. Proceedings of the fifth international neurochemical symposium, 427

Romanes, G. J., Ed.: Cunningham's textbook of anatomy, 10th edition, 336

Rook, A. and Champion, R. H., Eds.: Progress in the biological science in relation to dermatology-2, 542.

Sandler, M. and Bourne, G. H., Eds.: Atherosclerosis and its origin, 98

Schaefer, K. E., Ed.: Bioastronautics, 167

Schmidt, O. H. and Caceres, C. A., Eds.: Electronic and computer-assisted studies of bio-medical problems, 237

Siegel, B. M., Ed.: Modern developments in electron microscopy, 340

Smith, H. and Taylor, J., Eds.: Microbial behaviour in vivo and in vitro, 14th symposium of the society for general microbiology, 232

Stevens, H. A. and Heber, R., Eds.: Mental retardation. A review of research, 426

Strauss, M. B. and Welt, L. G., Eds.: Diseases of the kidney, 333

Thomson, G. P.: J. J. Thomson and the Cavendish laboratory in his day, 539

Thomson, J. F.: Biological effects of deuterium, 99

Viruses, nucleic acids, and cancer: The 17th annual symposium on fundamental cancer research held at the M.D. Anderson Hospital and Tumor Institute, Houston, Texas, 95

von Euler, U. S. and Heller, H.: Comparative endocrinology, Vol. I, 340

Wallace, A. R.: The Malay archipelago, 224

Warner, E. C., Ed.: Savill's system of clinical medicine, 14th edition, 422

Wayner, M. J., Ed.: Thirst. Proceedings of the 1st international of thirst in the regulation of body water, 339

Wegmann, R., Ed.: Histochemistry and cytochemistry. Proceedings of the 1st international congress, 174

Weibel, E. R.: Morphometry of the human lung, 335

Wright, R. H.: The science of smell, 429

Young, G. T., Ed.: Peptides: Proceedings of the fifth European Symposium, 98

Burstein, N. A. and **Waksman, B. H.**: The pathogenesis of adjuvant disease in the rat. I. A histologic study of early lesions in the joints and skin, 177
II. A radioautographic study of early lesions with the use of H^3-Thymidine, 195

Byssinosis, among cotton workers, 5

Cancer, environmental agents in, 487
epidemiologic methods in research, 508
tumor viruses, 473

Cell membranes, permeability to glucose, 319

Cellular reactions to foreign materials in the rabbit knee joint, 300

Chrisman, D. O., Fessel, J. M., and **Southwick, W. O.**: Experimental production of synovitis and marginal articular exostoses in the knee joints of dogs, 409

de Almeida, S. S. (see Rocha, H.)

Dengue in Southeast Asia, 434

Densen, P. M.: The quality of medical care, 523

Diabetes mellitus in Hiroshima and Nagasaki, 283

Eastern encephalitis virus, 413

Encephalomyelitis, 413

Epidemiology and public health, 433-550

Experimental pyelonephritis, mixed infection, 313

Falk, I. S.: Discussion (see Densen, P.M.)

Fessel, J. M. (see Chrisman, O. D.)

Fever, hemorrhagic and dengue, 434
staphylococcal, 130

Fischer, D. S.: Theories of antibody formation: a review, 1

Freedman, L. R., Blackard, W. G., Sagan L. A., Ishida, M., and **Hamilton, H. B.**: The epidemiology of diabetes mellitus in Hiroshima and Nagasaki, 283

Freedman, L. R., Phair, J. P., Seki, M., Hamilton, H. B., and **Nefzger, M. D.**: The epidemiology of urinary tract infections in Hiroshima, 262

Freedman, L. R., Seki, M., and **Phair, J. P.**: The natural history and outcome of urinary tract infection in women, 245

Freezing biological systems, 158

Gabrielson, I. W.: Foreword, Epidemiology and Public Health Number, 433

INDEX

Gelfman, N. A.: Morphologic changes of adrenal cortex in disease, 31

German measles (see Rubella)

Glucose permeability of red cells and inhalation anesthetics, 319

Greene, N. M.: Glucose permeability of human erythrocytes and the effects of inhalation anesthetics, oxygen, and carbon dioxide, 319

Habel, K.: Tumor viruses, 473

Halstead, S. B.: Dengue and hemorrhagic fevers of Southeast Asia, 434

Hamilton, H. B. (see Freedman, L. R.)

Hiroshige, T. and **Long, C. N. H.**: The preparation, maintenance, and use of a visceral organism for metabolic studies in the rat; 75

Hollingsworth, J. W.: Cellular reactions to soluble foreign materials in the rabbit knee joint, 300

Hormones: bio-assay (see Relaxin)
response of mice to relaxin, 153

Horstmann, D. M.: Discussion (see Weller, T. H.)

Industrial pulmonary disease (see Byssinosis)

Infection
dengue, 434
kidney, 31, 145, 245, 262, 313
rubella, 455
staphylococcal fever, 130

Inflammation, of the knee joint, 300

Intestinal changes with age ,105

Ishida, M. (see Freedman, L. R.)

Kidney
adrenocortical changes, 31
bacterial localization, 145
mixed infection, 313
urinary tract infection in women, 245
in Hiroshima, 262

Lasagna, L.: The mind and morality of the doctor. I. The physician and the microcosm, 345
II. The physician and the macrocosm, 361

Legal medicine, 379, 394

Long, C. N. H.: (see Hiroshige, T.)

MacMahon, B.: Epidemiologic methods in cancer research, 508

Medical care, quality of, 523

Medical ethics, 345, 361, 379, 394

Metabolism (see visceral organism)

Miller, R. W.: Environmental agents in cancer, 487

Morowitz, H. J.: (see Skoultchi, A. I.)

Nefzger, M. D.: (see Freedman, L. R.)

Neoplasms, environmental origins of, 487
epidemiologic research of, 508
virus-induced, 473

Neva, F. A. (see Weller, T. H.)

Paplanus, S. H.: Bacterial localization in the kidney, 145

Phair, J. P. (see Freedman, L. R.)

Pulmonary disease (see Byssinosis)

Pyelonephritis, 145
experimental, 313
in women, 245
in Hiroshima, 262

Relaxin, bio-assay, 153
response in mice, 153

Respiratory disease, in cotton workers, 55

Review, theories of antibody formation, 1

Rocha, H. and **de Almeida, S. S.**: Experimental pyelonephritis: observation on mixed infection, 313

Rubella, changing epidemiologic concepts of, 455

Sagan, L. A. (see Freedman, L. R.)

Schilling, R. S. F.: Epidemiological studies of chronic respiratory disease among cotton operatives, 55

Seki, M. (see Freedman, L. R.)

Shindell, S.: Legal and ethical problems in the provision of medical care, I, 379
II, 394

Skoultchi, A. I. and **Morowitz, H. J.**: Information storage and survival of biological systems at temperatures near absolute zero, 158

Southwick, W. O. (see Chrisman, O. D.)

Spencer, R. P.: Variation of intestinal activity with age, 105

Staphylococcal fever, hypersensitivity to culture filtrates, 130

Synovitis and marginal exostoses in dogs, 409

Synovium, inflammatory response, 300

Theiler, M.: Discussion (see Halstead, S. B.)

Urinary tract infection, 145
in Hiroshima, 262
in women, 245
mixed infection, 313
morphologic changes, 31

Virus, eastern encephalitis, 413
tumor, 473

Visceral organism, preparation and use of for metabolic studies, 75

Waksman, B. H. (see Burstein, N. A.)

Waters, L. L.: The extraction of lipids from human plasma or serum by 2-octanol, 204
Levels of injected serum lipids associated with lipophagic corneal reactions, 211

Wallis, R. C.: Recent advances in research on the Eastern encephalitis virus, 413

Wedemeyer, P. P.: Response of four inbred types of mice to relaxin, 153

Weller, T. H., Alford, C. A., Jr., and **Neva, F. A.**: Changing epidemiologic concepts of rubella, 455

White, C.: Discussion (see MacMahon, B.)